

## **ABSTRACT OF THE DISCLOSURE**

A 5.1 channel signal output mixer circuit for earphone using step gain amplification unit comprising a filtering gain unit, a mixing gain unit and a noise reduction gain unit, wherein said filtering gain unit obtaining a  
5 bandwidth-adjusted subwoofer signal from two waveform shaping circuits, said mixing gain mixing said subwoofer signal with an output signal of a front channel to form a first signal, said noise reduction gain receiving said first signal for noise removal to form a signal and outputting said signal to a speaker.